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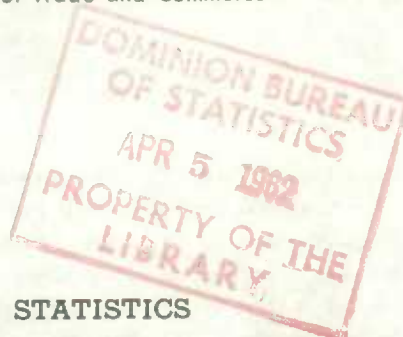
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CANADA

ROAD AND STREET MILEAGE AND EXPENDITURE 1960

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

INTRODUCTION

Total expenditure on Canadian highways and rural roads in the five-year period April 1, 1956 to March 31, 1961 amounted to \$3.8 billion, of which \$2.6 billion were spent on new construction and major reconstruction work. During the same period \$905.9 million were spent on streets, bridges, etc., in urban centres with \$582.8 million of the amount on new construction and major improvements.

The surfaced mileage of Canada's highways rose to 275,897 miles in 1960 from 209,328 in 1956 while rigid and flexible surfaced mileages increased 36.8 per cent to 50,617 miles from 37,006 miles in the same period. Surfaced roads accounted for 65.5 per cent of all highways and rural roads open to traffic by the end of 1960, and paved highways represented 12.0 per cent of the total at the same date.

It should be noted that urban municipalities of less than 1,000 population, except those located in census metropolitan areas, are considered as rural municipalities for the purposes of this publication. Townships located in census metropolitan areas; rural townships with a population of 15,000 or over; semi-urban improvement districts with a population of 1,000 or over; and urban municipalities with less than 1,000 population located in census metropolitan areas are classified as urban.

Although the larger municipalities in each province are surveyed every year data for the smaller localities are obtained by means of a sample. The sample results are expanded to represent all municipalities. Due to this fact it has been decided to round into thousands urban and rural municipality expenditure data contained in this report.

ROAD AND STREET MILEAGE AND EXPENDITURE

1960

PART I - EXPENDITURE AND REVENUE

Highway and Rural Road Expenditure

Expenditure on highways and rural roads, including bridges, during 1960 was \$794.9 million, 4.1 per cent lower than the 1959 total of \$829.1 million. Construction work accounted for \$559.0 million of this amount, whereas \$582.0 million was spent on this phase of road work in 1959. Maintenance expenditure dropped to \$203.9 million from the \$206.2 million reported in 1959, a decline of 1.1 per cent.

Provincial and territorial governments reported a total expenditure of \$609.1 million including grants to rural municipalities but excluding \$40.8 million paid to urban municipalities as recorded in Table 4 of this report. In the previous year, total expenditure amounted to \$657.6 million. Federal expenditure was up 4.4 per cent to \$110.7 million in 1960 from \$106.1 million in 1959. Municipal expenditure on rural roads increased by 9.8 per cent to \$69.8 million from the \$63.5 million spent in 1959. Increased expenditures were reported for only four provinces, Nova Scotia, Saskatchewan, Alberta and British Columbia in 1960. One reason for the decline in expenditures was the nearing completion of the Trans-Canada Highway with only two provinces, Prince Edward Island and British Columbia, reporting increased expenditures on this highway in 1960. Another important factor resulting in decreases was the completion of major projects in 1959 such as the Montreal-Laurentian Autoroute.

Most of the federal and provincial authorities report on the basis of a fiscal year April 1 to March 31, while the Railway Grade Crossing Fund and municipalities report on a calendar year basis.

Per Capita Expenditure

Per capita expenditure for highways and rural roads in Canada decreased to \$45 in 1960 from \$48 in 1959. The largest proportional per capita increase in expenditure occurred in Saskatchewan, rising by 12.4 per cent to \$55 in 1960 from \$49 in 1959. Nova Scotia, Alberta and British Columbia also recorded increases.

Domestic Toll Bridges, Ferries and Roads

Revenue from tolls was up in 1960 by 39.6 per cent to \$18,618,177 as compared with the revised 1959 figure of \$13,336,115. Major increases occurred in Quebec and British Columbia and were mainly due to the Jacques-Cartier bridge in Montreal, the Montreal-Laurentian Autoroute, which completed its first full year of operation, and the Vancouver Island-Mainland Ferry System initiated by the British Columbia Toll Highways and Bridges Authority in 1960. The elimination of revenues in New Brunswick was the result of the acquisition of a privately owned toll bridge by the provincial government which ceased to charge tolls for the use of this facility. Expenditure on all toll facilities for construction, maintenance and administration is included in the amounts reported in Table 2. Excluded from this report are statistics of privately owned ferries and international toll bridges, tunnels and ferries. Annual statistics of the latter facilities are published in a separate report, "International Toll Bridges, Tunnels and Ferries", catalogue number 53-202.

Urban Street Expenditure

In 1960 urban authorities reported total expenditures on streets, sidewalks, bridges and ferries of \$272.4 million. Of this amount \$193.7 million or 71.1 per cent were spent on construction; maintenance accounted for \$72.8 million or 26.7 per cent; while administration and general expenses accounted for the remaining \$5.9 million. Expenditures increased from the previous year in all areas except Newfoundland, New Brunswick and the Yukon and Northwest Territories. These increases were largely due to the construction of thoroughways in the major metropolitan areas. It should also be noted that a report for the Montreal Metropolitan Boulevard was received for the first time in 1960 thus causing an abnormal increase in the expenditures shown for the province of Quebec.

In some cases the expenditure on bridges and ferries, sidewalks and footpaths has had to be included with the roadway expenditure figures because some municipalities do not have separate expenditure detail for these items.

The Trans-Canada Highway

The Trans-Canada Highway Act passed by Parliament in 1949 provided the machinery for agreement between the Federal and Provincial Governments as to the former's contribution towards completion of the national highway. Payments made under the Act cover two different periods of construction. Work done during the years from April 1, 1928 to December 9, 1949, is considered as prior construction. Payments on behalf of this work may be any amount up to, but not exceeding, 50 per cent of the cost of construction and are paid to the provinces when and as the Governor-in-Council determines. The "new construction period" was that extending from December 10, 1949 to December 10, 1956. In 1956 this period was extended to December 31, 1960, and in 1960 was further extended to December 31, 1963. The enactment of the 1956 amendment by Parliament increased the extent of Canada's contribution to the cost of the Highway by providing for an additional 40 per cent contribution to the cost of construction of one-tenth of the Highway mileage in each province. The aggregate limit of the funds available for expenditure by the Federal Government was increased to \$400,000,000 in 1960.

The agreement between the Federal Government and the Province of Quebec under which the latter agreed to participate in the Trans-Canada Highway program was not signed until October, 1960. Table 5 shows the amount spent by each of the nine

provinces which incurred expenditures during the fiscal year 1960-61, the subsidies to the provinces paid by the Federal Government in respect of this expenditure and the expenditure by the Federal Government on the Highway in the National Parks and on general administration of the Highway.

Table 6 shows Federal Government contributions paid to participating provinces during the year 1960-61. This may differ from the Federal Government grants listed in Table 5 because, in some cases, it includes payments on behalf of work completed by the provinces in prior years. These additional payments are, in effect, an adjustment between the amounts spent by provincial and federal authorities in the prior construction period and do not add to the total expenditure on highways.

Railway Grade Crossings

Expenditure for the elimination and protection of railway grade crossings in Canada shown in Table 7 amounted to \$23,435,690 in 1960 compared with \$12,624,350 in 1959. Of this total expenditure \$11,325,464 (\$6,006,708 in 1959) was contributed by the Railway Grade Crossing Fund and \$1,278,338 (\$848,124) by the railways. These amounts are included with the highway and rural road expenditure data in Table 2. The provincial governments and municipalities accounted for the balance of \$10,831,888 (\$5,769,518) which is included in the provincial totals of Tables 2 and 4, depending on whether the expenditure was rural or urban.

PART II - MILEAGE

Highway and Rural Road Mileage

Total highway and rural road mileage in Canada reported for 1960 decreased to 421,448 miles from the 423,035 miles reported for 1959. A decrease from the previous year is shown in Prince Edward Island, Manitoba and British Columbia. The decreases in Prince Edward Island and Manitoba occurred in the earth road mileage and are probably due to the elimination of some unused road allowance. The sharp decline in British Columbia of untreated gravel roads is due partially to the exclusion of some mining roads which are not open to public traffic and also to the reclassification of a portion of these roads as earth roads.

Mileages by type of surface decreased for rigid pavement, treated gravel and earth roads. Concrete surfaced roads decreased to 991 miles in 1960 from the 1,120 miles reported in 1959; bituminous surfaced concrete base fell to 986 miles from 1,113; treated gravel dropped to 2,983 miles from 7,501, and earth roads decreased to 145,551 miles from the 154,323 miles shown in 1959. Increases were reported for high and low cost flexible pavement and for untreated gravel roads. High cost flexible pavement increased in 1960 to 35,637 miles from 32,418 miles reported in 1959; low cost flexible pavement rose to 13,003 miles from 11,324, while untreated gravel totalled 232,297

miles in 1960 as compared with 215,236 miles in 1959. There may be small amounts of other surfaces such as brick, cinders etc., included with untreated gravel roads.

An historical summary of highway and rural road development since 1925 is shown in Table 8. There were 8.4 times as many miles of paved highways in 1960 as there were 35 years earlier. The average number of motor vehicles per mile of surfaced highway and rural road was 19.1 in 1960 as compared with 15.3 in 1925.

Urban Street Mileage

Urban street mileage, including public lanes and alleys, open for traffic at December 31, 1960 was 37,769 miles, up slightly from the 37,614 miles reported for 1959. Of the total mileage, 34,855 miles or 92.3 per cent were surfaced and 2,914 miles were of earth construction. The surfaced mileage consisted of 6,448 miles of rigid pavement, 13,395 miles of flexible pavement, 14,787 miles of gravel and 225 miles of other surfaces, including wood, brick and cinders.

PART 1. EXPENDITURE AND REVENUE

TABLE 1. Total and Per Capita Highway and Rural Road Expenditure, 1960 and 1959

Province	Expenditure on highways and rural roads (including bridges, ferries, etc.)		Per capita expenditure	
	1960	1959	1960	1959
Newfoundland	23,846,762	24,217,225	52	54
Prince Edward Island	7,070,824	9,903,659	69	97
Nova Scotia	36,298,426	35,409,292	50	49
New Brunswick	38,619,091	38,622,509	64	65
Quebec	149,377,476	174,974,938	29	35
Ontario	241,843,631	264,359,401	40	44
Manitoba	42,030,366	44,539,885	47	50
Saskatchewan	49,776,559	44,291,926	55	49
Alberta	79,903,834	73,657,400	62	59
British Columbia	114,453,450	106,311,442	71	68
Yukon Territory	7,657,035	8,147,812	547	627
Northwest Territories	3,807,482	4,478,339	173	213
Canada	794,873,201 ¹	829,117,828 ¹	45	48

¹ Includes expenditures by federal authorities totalling \$188,265 (1960) and \$204,000 (1959) not allocated by province.

TABLE 2. Highway and Rural Road Expenditure, 1960

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
	Total expenditures:					
1	Total construction ^{1,2}	558,955,357	15,220,169	4,904,918	22,308,075	24,003,092
2	Total maintenance	203,913,298	8,051,369	1,994,518	12,054,901	13,348,745
3	Total administration and general ³	32,004,546	575,224	171,388	1,935,450	1,267,254
4	Grand total expenditures^{1,2,3}	794,873,201	23,846,762	7,070,824	36,298,426	38,619,091
	Federal expenditures:					
5	Construction ¹	34,274,759	2,190,373	4,020	689,232	1,583,166
6	Maintenance	5,796,411	2,000	14,719	106,253	37,112
7	Administration and general ³	2,078,849	132,315	400	25,650	8,654
8	Net subsidies and grants-in-aid (Paid +, Received -)	+ 68,556,494	+ 5,842,331	+ 1,314,000	+ 5,035,261	+ 5,632,805
9	Totals^{1,3}	110,706,513	8,167,019	1,333,139	5,856,396	7,261,737
	Provincial expenditures:					
10	Construction	453,443,041	13,005,781	4,850,275	21,458,104	22,379,972
11	Maintenance	146,655,412	7,983,369	1,972,799	11,883,861	13,311,633
12	Administration and general	23,296,426	435,909	170,988	1,715,303	1,258,600
13	Net subsidies and grants-in-aid (Paid +, Received -)	- 14,294,408	- 5,768,331	- 1,289,377	- 5,297,260	- 5,610,205
14	Totals	609,100,471	15,656,728	5,704,685	29,760,008	31,340,000
	Municipal expenditures:					
15	Construction	69,964,000	24,000	46,000	-	-
16	Maintenance	51,123,000	66,000	7,000	-	-
17	Administration and general	6,052,000	7,000	-	-	-
18	Net subsidies and grants-in-aid (Paid + Received -)	- 57,375,000	- 74,000	- 20,000	+ 270,000	-
19	Totals	69,764,000	23,000	33,000	270,000	-
20	Net expenditures by others ²	5,302,217	15	-	412,022	17,354
21	Grand total expenditures^{1,2,3}	794,873,201	23,846,762	7,070,824	36,298,426	38,619,091

¹ Includes payments for railway grade crossings from Railway Grade Crossing Fund, allocated by provinces as in Table 7.

² Includes payments for railway grade crossings by railways allocated by provinces as in Table 7.

TABLE 3. Revenue Earned by Highway and Rural Road Toll Facilities, 1960

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
1	Domestic toll bridges, tunnels and ferries ¹	15,237,045	83,180	...	1,690,707	...
2	Limited access toll highways	2,853,473	...	...	...	...
3	Licences for travel in National Parks ..	527,659	-	-	-	-
4	Total revenues	18,618,177	83,180	-	1,690,707	-

¹ For revenues from international facilities see "International Toll Bridges, Tunnels and Ferries" report.

TABLE 2. Highway and Rural Road Expenditure, 1960

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
90,255,622	180,982,687	32,181,577	35,939,574	51,848,429	93,065,722	4,651,282	3,594,210	1
54,350,944	47,027,593	7,245,440	12,378,374	27,162,526	17,583,064	2,502,552	213,272	2
4,770,910	13,833,351	2,603,349	1,458,611	892,879	3,804,664	503,201	—	3
149,377,476	241,843,631	42,030,366	49,776,559	79,903,834	114,453,450	7,657,035	3,807,482	4
3,179,463	7,284,224	349,780	509,649	2,478,465	8,717,160	3,695,017	3,594,210	5
859,236	413,103	84,252	88,755	527,375	1,665,404	1,784,930	213,272	6
90,459	1,245	—	2,792	177,755	948,113	503,201	—	7
+ 1,905,133	+ 21,475,439	+ 2,635,092	+ 1,732,787	+ 2,376,999	+ 19,204,236	+ 1,402,411	—	8
6,034,291	29,174,011	3,069,124	2,333,983	5,560,594	30,534,913	7,385,559	3,807,482	9
84,553,493	131,591,500	28,308,079	17,638,531	45,203,095	83,497,946	956,265	..	10
46,571,164	27,822,490	5,047,188	7,359,619	9,025,151	14,960,516	717,622	..	11
3,670,917	9,802,106	1,967,349	951,819	715,124	2,608,311	—	..	12
+ 1,888,639	+ 6,907,615	- 2,553,056	+ 6,631,213	+ 10,874,001	- 18,675,236	- 1,402,411	..	13
136,684,213	176,123,711	32,769,560	32,581,182	65,817,371	82,391,537	271,476	..	14
2,351,000	41,457,000	3,510,000	17,773,000	4,074,000	829,000	...	...	15
6,687,000	18,792,000	2,114,000	4,930,000	17,610,000	917,000	...	...	16
794,000	4,030,000	636,000	504,000	4	81,000	...	...	17
- 4,017,000	- 30,296,000	- 1,323,000	- 8,364,000	- 13,251,000	- 300,000	...	...	18
5,715,000	33,983,000	4,937,000	14,843,000	8,433,000	1,527,000	...	...	19
943,972	2,562,909	1,254,682	18,394	92,869	—	—	—	20
149,377,476	241,843,631	42,030,366	49,776,559	79,903,834	114,453,450	7,657,035	3,807,482	21

³ Includes \$188,265 federal administrative costs re Trans-Canada Highway - not allocated by provinces.

⁴ Included in maintenance.

TABLE 3. Revenue Earned by Highway and Rural Road Toll Facilities, 1960

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
4,555,185	668,255	8,201	...	...	8,231,517	...	...	1
2,853,473	...	...	...	...	...	...	...	2
...	26,096	38,830	11,478	365,454	85,801	...	...	3
7,408,658	694,351	47,031	11,478	365,454	8,317,318	...	...	4

TABLE 4. Urban Street Expenditure, 1960

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
			dollars		
	Construction:				
1	New	166,324,000	360,000	55,000	1,848,000 ¹
2	Reconstruction	27,377,000	255,000	72,000	219,000
3	Total construction	193,701,000	615,000	127,000	2,067,000¹
	Maintenance:				
4	Repairs and minor improvements	38,015,000	1,000,000	122,000	1,134,000 ¹
5	Sanding, snow removal	34,783,000	65,000	20,000	619,000
6	Total maintenance	72,798,000	1,065,000	142,000	1,753,000¹
7	Administration and general	5,889,000	—	46,000	125,000
8	Grand total expenditures	272,388,000	1,680,000	315,000	3,945,000¹
	Roadways				
	Construction:				
9	New	134,084,000	263,000	54,000	1,470,000 ¹
10	Reconstruction	23,025,000	255,000	72,000	185,000
11	Total construction	157,109,000	518,000	126,000	1,655,000¹
	Maintenance:				
12	Repairs and minor improvements	33,483,000	1,000,000	122,000	1,000,000 ¹
13	Sanding, snow removal	31,866,000	65,000	20,000	588,000
14	Total maintenance	65,349,000	1,065,000	142,000	1,588,000¹
15	Totals	222,458,000	1,583,000	268,000	3,243,000¹
	Bridges and ferries				
16	Construction	19,278,000	97,000	—	8,000
17	Maintenance	1,252,000	—	—	42,000
18	Totals	20,530,000	97,000	—	50,000
	Sidewalks and footpaths				
19	Construction	17,314,000	—	1,000	404,000
20	Maintenance	6,197,000	—	—	123,000
21	Totals	23,511,000	—	1,000	527,000
	Subsidies				
	Paid or owing to:				
22	Municipal authority	672,000	—	—	—
23	Other	564,000	—	—	118,000 ¹
24	Totals	1,236,000	—	—	118,000¹
	Received or due from:				
25	Federal authority	4,835,000	13,000	—	—
26	Provincial authority	40,803,000	171,000	—	140,000
27	Municipal authority	1,257,000	—	—	—
28	Other	1,692,000	—	—	—
29	Totals	48,587,000	184,000	—	140,000
30	Net expenditures (Total expenditures less net sub- sidies)	225,037,000	1,496,000	315,000	3,923,000¹

¹ Includes provincial government expenditures on urban streets: construction, \$272,000; maintenance, \$69,000 and a grant paid to "other", \$115,000.

² Includes federal expenditures by the National Capital Commission for Ottawa parkways: construction, \$510,000; maintenance, \$201,000; administration and other, \$40,000.

TABLE 4. Urban Street Expenditure, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
dollars								
943,000	67,600,000	53,532,000	9,378,000	8,611,000	13,615,000	10,284,000	98,000	1
339,000	8,177,000	12,760,000	790,000	1,455,000	1,507,000	1,803,000	—	2
1,282,000	75,777,000	66,292,000¹	10,168,000	10,066,000¹	15,122,000	12,087,000	98,000	3
986,000	4,636,000	19,814,000	2,125,000	1,904,000	2,381,000	3,861,000	52,000	4
888,000	17,561,000	11,251,000	883,000	743,000	1,943,000	802,000	8,000	5
1,874,000	22,197,000	31,065,000¹	3,008,000	2,647,000	4,324,000	4,663,000	60,000	6
57,000	3,300,000	1,600,000 ¹	103,000	315,000 ¹	9,000	334,000	—	7
3,213,000	101,274,000	98,957,000¹	13,279,000	13,028,000¹	19,455,000	17,084,000	158,000	8
829,000	60,215,000	43,747,000	7,808,000	5,245,000	8,595,000	5,760,000	98,000	9
308,000	6,802,000	10,287,000	750,000	1,216,000	1,387,000	1,763,000	—	10
1,137,000	67,017,000	54,034,000¹	8,558,000	6,461,000¹	9,982,000	7,523,000	98,000	11
839,000	3,964,000	17,612,000	1,898,000	1,600,000	2,115,000	3,281,000	52,000	12
779,000	15,496,000	10,810,000	731,000	657,000	1,912,000	800,000	8,000	13
1,618,000	19,460,000	28,422,000¹	2,629,000	2,257,000	4,027,000	4,081,000	60,000	14
2,755,000	86,477,000	82,456,000¹	11,187,000	8,718,000¹	14,009,000	11,604,000	158,000	15
—	3,238,000	7,691,000	1,260,000	1,909,000 ¹	1,421,000	3,654,000	—	16
78,000	122,000	586,000	90,000	112,000	92,000	130,000	—	17
78,000	3,360,000	8,277,000	1,350,000	2,021,000¹	1,513,000	3,784,000	—	18
145,000	5,523,000	4,567,000	350,000	1,695,000	3,719,000	910,000	—	19
178,000	2,614,000	2,057,000	289,000	279,000	205,000	452,000	—	20
323,000	8,137,000	6,624,000	639,000	1,974,000	3,924,000	1,362,000	—	21
12,000	10,000	636,000	13,000	—	—	1,000	—	22
—	⁴	134,000	122,000	190,000	—	—	—	23
12,000	10,000	770,000	135,000	190,000	—	1,000	—	24
2,000	266,000	3,102,000	40,000	1,364,000 ¹	6,000	42,000	—	25
173,000	801,000	35,465,000	1,643,000	383,000	1,647,000	317,000	63,000	26
—	—	1,256,000	1,000	—	—	—	—	27
—	379,000	1,258,000	1,000	—	—	54,000	—	28
175,000	1,446,000	41,081,000	1,685,000	1,747,000¹	1,653,000	413,000	63,000	29
3,050,000	99,838,000	58,646,000 ¹	11,729,000	11,471,000 ¹	17,802,000	16,672,000	95,000	30

¹ Includes provincial government expenditures on urban streets: construction, \$1,795,000; administration and general, \$61,000 and a grant received from the federal government, \$770,000.

⁴ Under \$500.

TABLE 5. Trans-Canada Highway Expenditure, Fiscal Year April 1, 1960 to March 31, 1961

	Federal expenditures and grants to provinces	Total expenditures including federal grants
	dollars	
Newfoundland	5,122,802	7,356,169
Prince Edward Island	540,000	600,443
Nova Scotia	3,020,556	3,913,593
New Brunswick	3,238,011	6,876,531
Ontario	17,868,569	24,786,757
Manitoba	582,590	1,704,022
Saskatchewan	13,128	16,410
Alberta	268,230	802,328
British Columbia	16,273,177	38,881,063
National Park Newfoundland	2,244,522	2,244,522
National Parks Alberta	528,789	528,789
National Parks British Columbia	6,439,033	6,439,033
Federal administrative costs exclusive of National Parks	188,265	188,265
Totals	56,327,672	94,337,925

TABLE 6. Federal Contributions to the Provinces for the Trans-Canada Highway
During the Fiscal Year April 1, 1960 to March 31, 1961

Recipient province	Federal contribution	Recipient province	Federal contribution
	dollars		dollars
Newfoundland	6,579,175	Manitoba	542,340
Prince Edward Island	551,095	Saskatchewan	33,522
Nova Scotia	3,257,089	Alberta	268,230
New Brunswick	3,461,086	British Columbia	16,135,375
Ontario	17,868,569		

TABLE 7. Expenditure for the Elimination and Protection of Grade Crossings, 1960

	By railways	From Railway Grade Crossing Fund	By provinces and municipalities	Total
	dollars			
Newfoundland	15	166	26	207
Prince Edward Island	—	—	—	—
Nova Scotia	160,739	556,962	279,987	997,688
New Brunswick	39,954	633,528	163,568	837,050
Quebec	271,666	1,611,206	877,917	2,760,789
Ontario	649,963	5,659,659	4,494,146	10,803,768
Manitoba	13,719	162,813	27,500	204,032
Saskatchewan	18,394	371,553	34,283	424,230
Alberta	92,869	491,314	438,453	1,022,636
British Columbia	21,616	1,805,485	4,516,008	6,343,109
Yukon and Northwest Territories	—	—	—	—
Totals	1,278,338¹	11,325,464¹	10,831,888	23,435,690¹

¹ Includes railway and Railway Grade Crossing Fund expenditures of \$9,403 and \$32,778 respectively for the refection of crossing signs and box cars, not allocated by province.

PART II - MILEAGE

TABLE 8. Summary of Highway and Rural Road Mileage for Canada by Type of Surface and Number of Motor Vehicles per Mile of Surfaced Road, 1925 - 60

Year	Concrete bituminous pavement and bituminous surface	Gravel, crushed stone and other surfaces	Total surfaced	Earth	Grand total	Average number of motor vehicles per mile of surfaced road
miles						
1925	6,057	41,354	47,411	..	..	15.3
1928	7,725	56,394	64,119	317,858	381,977	16.7
1932	11,009	80,303	91,312	307,008	398,320	12.2
1939	15,117	99,137	114,254	322,435	436,689	12.6
1940	15,617	100,575	116,192	383,002	499,194	12.9
1945	17,339	114,114	131,453	359,926	491,379	11.4
1949	22,740	139,059	161,799	339,632	501,431	14.2
1950	24,820	144,678	169,498	338,196	507,694	15.3
1951	26,316	149,040	175,356	336,522	511,878	16.6
1952	28,649	152,657	181,306	331,489	512,795	17.4
1953	30,731	160,266	190,997	326,812	517,809	18.0
1954	33,321	159,295	192,616	331,439	524,055	19.0
1955	34,164	165,926	200,090	255,314 ¹	455,404 ¹	19.7
1956	37,006	172,322	209,328	244,254 ¹	453,582 ¹	20.4
1957	39,123	191,921	231,044 ²	192,895 ¹	423,939 ¹	19.5
1958	41,988	205,498	247,486	149,895 ¹	397,381	19.1
1959	45,975	222,757	268,712	154,323	423,035	18.7
1960	50,617	225,280	275,897	145,551	421,448	19.1

¹ Decrease due to exclusion of unimproved road allowances previously included.² Includes 8,301 miles of surfaced roads under the jurisdiction of the Federal Department of Citizenship and Immigration and the Quebec Department of Colonization, not reported previously.TABLE 9. Urban Street Mileage, 1960¹

Province	Rigid pavement		Flexible pavement		Gravel		Other surfaces	Total surfaced streets	Earth	Total street mileage
	Concrete surface	Bitu- minous surfaced concrete base	High cost	Low cost	Surface treated	Surface untreated				
	miles									
Newfoundland	—	3	101	32	39	241	12	428	42	470
Prince Edward Island ..	8	—	57	1	6	12	—	84	9	93
Nova Scotia	50	29	436	94	45	260	34	948	10	958
New Brunswick	22	8	300	123	75	50	—	578	41	619
Quebec	455	1,909	2,633	316	366	844	25	6,548	182	6,730
Ontario	543	1,950	2,754	1,927	2,662	2,367	95	12,298	327	12,625
Manitoba	650	240	179	41	243	594	12	1,959	143	2,102
Saskatchewan	3	109	339	69	203	763	43	1,529	774	2,303
Alberta	24	282	857	85	456	2,951	4	4,659	1,214	5,873
British Columbia	90	73	1,755	1,287	933	1,627	—	5,765	171	5,936
Yukon Territory	—	—	3	—	—	31	—	34	1	35
Northwest Territories...	—	—	6	—	10	9	—	25	—	25
Canada	1,845	4,603	9,420	3,975	5,038	9,749	225	34,855	2,914	37,769

¹ Includes public lanes and alleys.

TABLE 10. Highway and Rural Road Mileage, 1960

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		miles				
	Total of all roads:					
1	Rigid pavement—Concrete surface	991	—	14	7	3
2	Bituminous surfaced concrete base	986	—	—	—	—
3	Flexible pavement—High cost	35,637	269	746	3,182	1,698
4	Low cost	13,003	111	8	—	1,692 *
5	Gravel—Surface treated	2,983	20	1	—	—
6	Surface untreated	222,297	3,568	1,637	9,870	10,031
7	Total surfaced road	275,897	3,968	2,406	13,059	13,424
8	Earth	145,551	3,020	832	2,589	—
9	Total road mileage	421,448¹	6,988	3,238	15,648	13,424
	Primary highways:					
10	Rigid pavement—Concrete surface	665	—	14	7	—
11	Bituminous surfaced concrete base	765	—	—	—	—
12	Flexible pavement—High cost	22,496	267	569	1,665	1,432
13	Low cost	3,213	110	—	—	164
14	Gravel—Surface treated	911	—	—	—	—
15	Surface untreated	10,650	3,439	—	91	24
16	Total surfaced road	38,700	3,816	583	1,763	1,620
17	Earth	25	—	—	—	—
18	Total road mileage	38,725	3,816	583	1,763	1,620
	Secondary highways:					
19	Rigid pavement—Concrete surface	151	—	—	—	—
20	Bituminous surfaced concrete base	139	—	—	—	—
21	Flexible pavement—High cost	3,495	—	167	² —	126
22	Low cost	5,979	—	4	—	545
23	Gravel—Surface treated	247	—	—	—	—
24	Surface untreated	18,868	14	1,009	² —	481
25	Total surfaced road	28,879	14	1,180	² —	1,152
26	Earth	106	—	—	² —	—
27	Total road mileage	28,985	14	1,180	² —	1,152
	Local roads:					
28	Rigid pavement—Concrete surface	175	—	—	—	3
29	Bituminous surfaced concrete base	82	—	—	—	—
30	Flexible pavement—High cost	9,632	2	10	1,517	140
31	Low cost	3,804	—	4	—	977
32	Gravel—Surface treated	1,795	20	1	—	—
33	Surface untreated	190,373	106	628	9,779	9,463
34	Total surfaced road	205,861	128	643	11,296	10,583
35	Earth	141,186	3,018	832	2,534	—
36	Total road mileage	347,047	3,146	1,475	13,830	10,583
	Development roads:					
37	Rigid pavement—Concrete surface	—	—	—	—	—
38	Bituminous surfaced concrete base	—	—	—	—	—
39	Flexible pavement—High cost	14	—	—	—	—
40	Low cost	7	1	—	—	6
41	Gravel—Surface treated	30	—	—	—	—
42	Surface untreated	2,406	9	—	—	63
43	Total surfaced road	2,457	10	—	—	69
44	Earth	4,234	2	—	55	—
45	Total road mileage	6,691	12	—	55	69

¹ Gravel and earth road mileages on Indian reservations not available.

TABLE 10. Highway and Rural Road Mileage, 1960

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
miles								
259	523	160	—	7	18	—	—	1
25	869	61	—	—	28	—	3	2
11,390	8,291	1,695	1,675	3,202	3,484	5	—	3
1,130	6,488	539	850	572	1,613	—	—	4
334	523	1,471	80	39	515	—	—	5
29,958	53,274	19,600	34,111	45,787	12,427	1,605	429	6
43,096	69,968	23,526	36,716	49,607	18,085	1,610	432	7
10,708	4,618	12,087	83,344	19,453	8,644	175	81	8
53,804	74,586	35,613	120,060	69,060	26,729	1,785	513	9
152	319	154	—	7	12	—	—	10
—	750	9	—	—	3	—	3	11
5,635	4,896	1,493	1,319	2,817	2,400	3	—	12
257	1,484	528	55	190	425	—	—	13
—	212	603	—	18	78	—	—	14
1,045	817	1,045	5	1,043	1,750	1,028	363	15
7,089	8,478	3,832	1,379	4,075	4,668	1,031	366	16
—	—	—	—	3	22	—	—	17
7,089	8,478	3,832	1,379	4,078	4,690	1,031	366	18
2	140	6	—	—	5	—	—	19
2	100	28	—	—	11	—	—	20
2	2,133	19	325	321	404	—	—	21
2	4,014	9	786	342	279	—	—	22
1	212	31	—	—	4	—	—	23
2	6,377	2,564	5,669	1,655	955	144	—	24
2	12,976	2,657	6,780	2,318	1,658	144	—	25
2	4	42	40	20	—	—	—	26
2	12,980	2,699	6,820	2,338	1,658	144	—	27
107	64	—	—	—	1	—	—	28
25	19	24	—	—	14	—	—	29
5,755	1,262	170	31	64	679	2	—	30
873	990	2	9	40	909	—	—	31
334	96	837	53	21	433	—	—	32
28,913	46,073	15,387	27,923	43,065	8,857	128	51	33
36,007	48,504	16,420	28,016	43,190	10,893	130	51	34
10,708	4,614	11,934	80,277	19,425	7,588	175	81	35
46,715	53,118	28,354	108,293	62,615	18,481	305	132	36
2	—	—	—	—	—	—	—	37
2	—	—	—	—	—	—	—	38
2	—	13	—	—	1	—	—	39
2	—	—	—	—	—	—	—	40
2	3	—	27	—	—	—	—	41
2	7	604	514	24	865	305	15	42
2	10	617	541	24	866	305	15	43
2	—	111	3,027	5	1,034	—	—	44
2	10	728	3,568	29	1,900	305	15	45

2 Included with local roads.

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ROAD AND STREET MILEAGE AND EXPENDITURE